Docket No.: ISIS-5138

App No.: Not yet assigned Filed: July 8, 2003

Title: HUMAN RNASE H1 AND OLIGONUCLEOTIDE COMPOSITIONS THEREOF Inventors: Stanley T. Crooke, Walter F. Lima, Hongjiang Wu, Muthiah Manoharan Attorney: Phillip A. Singer Phone: (215) 568-3100

Sheet 1 of 6

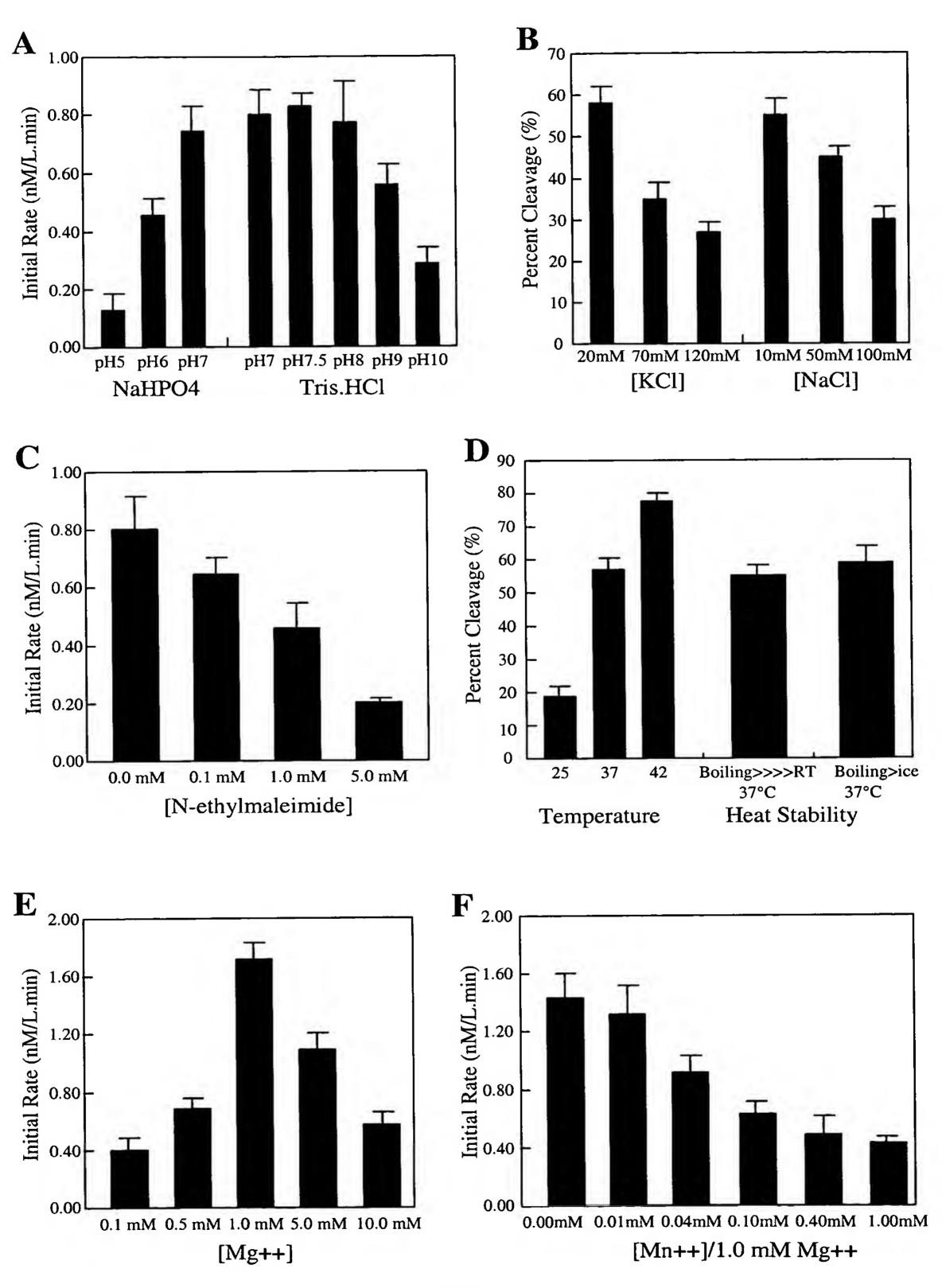


FIG. 1

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Sheet 2 of 6

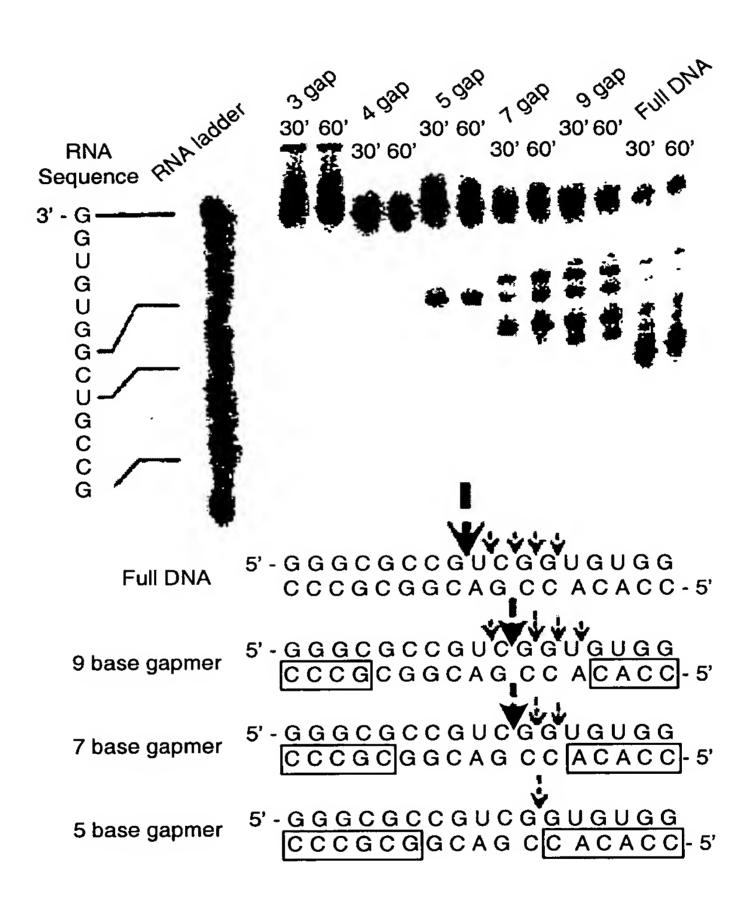


FIG. 2

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Sheet 3 of 6

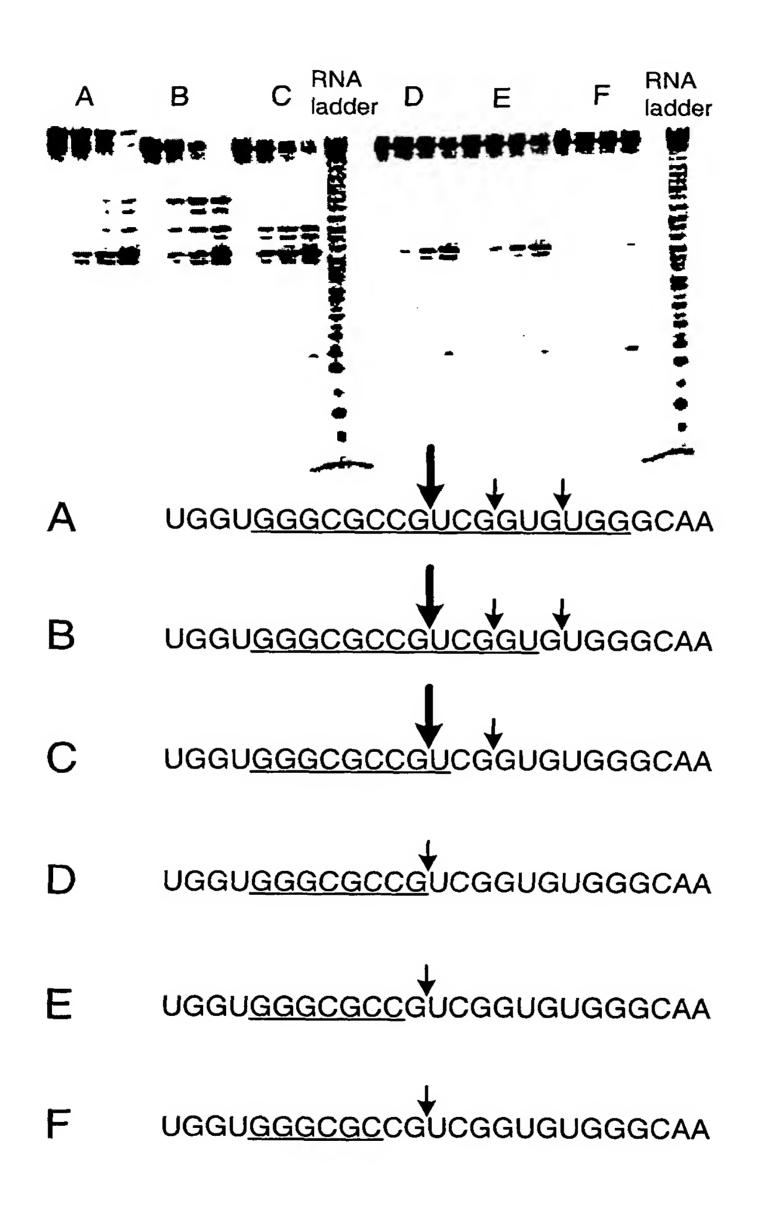


FIG. 3

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Sheet 4 of 6

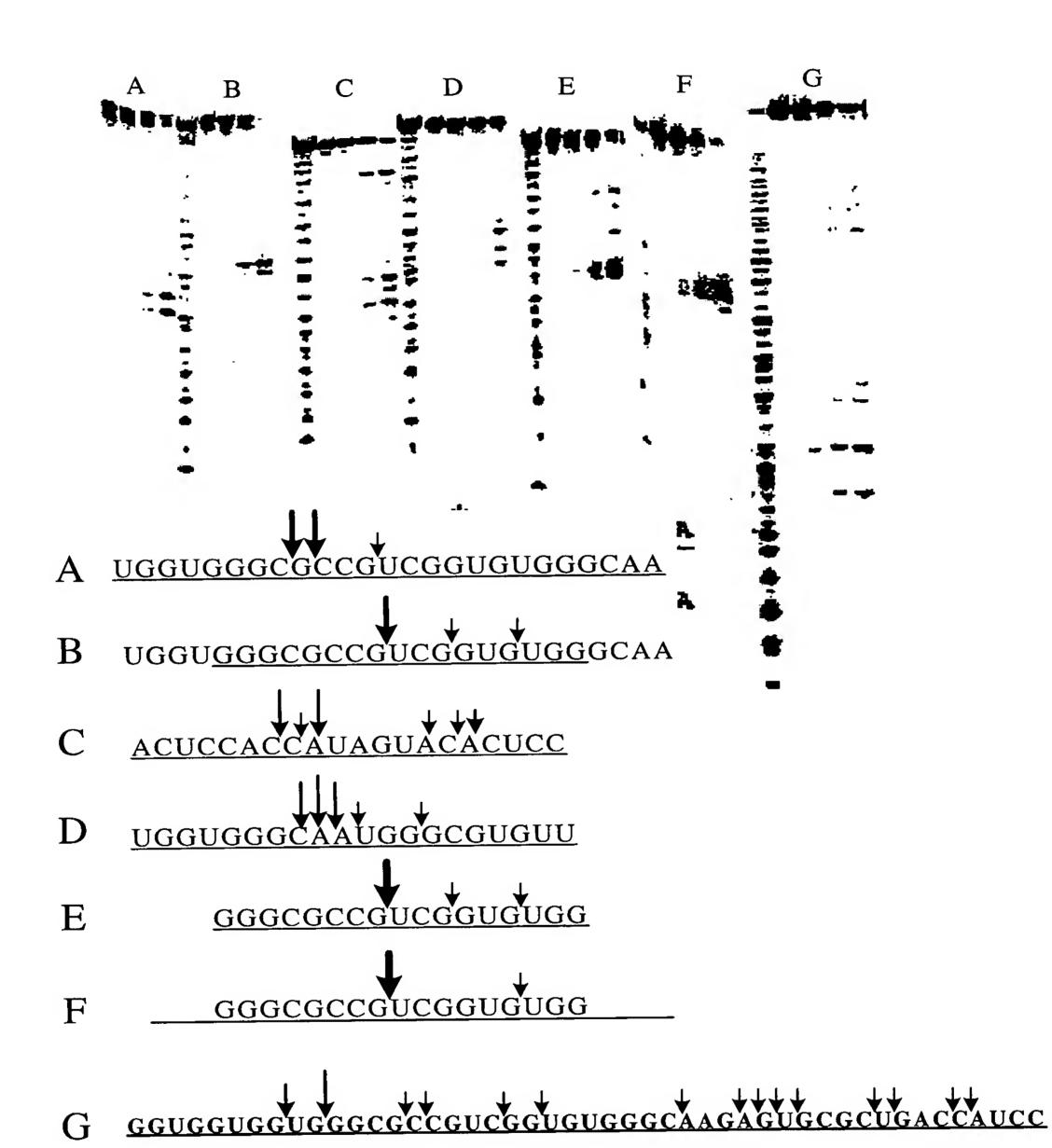


FIG. 4

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Sheet 5 of 6

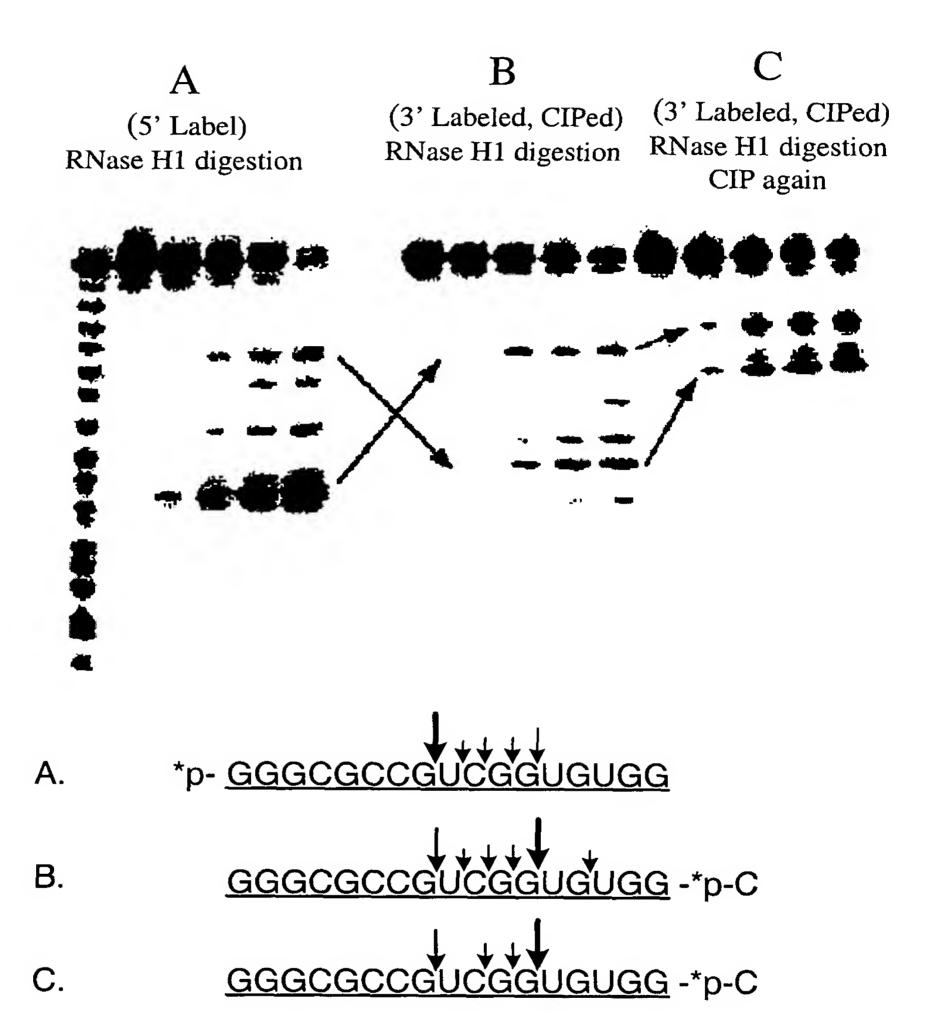


FIG. 5

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Sheet 6 of 6

	Human Chicken Yeast Mouse EST	MSWLLFLAHRVALAALPCRRGSRGFGMFYAVRRGRQTGVYRTWAECQQQVNRFPSASFKKFATEKEAWAFVRAGPP MLRWLVAL-LSHSCFVSKGGGMFYAVRKGRQTGVYRTWAECQQQVNRFPSASFKKFATEKEAWAFVGAGPP MARQGNFYAVRKGRETGIYNTWNECKNQVDGYGGAIYKKFNSYEQAKSFLGQPNT GICGLGMFYAVRRGRRPGVFLSWSECKAQVDRFPAARFKKFATEDEAWAFVRSSSS
	Human Chicken Yeast Mouse EST	PEVSEGHENQHGQESEAKPGKRLREPLDGDG
FIG. 6	Human Chicken Yeast E.coli Mouse EST	908LCCNACKRPYEQSTNEEHTVRRAKHDEEQSTPVVSEAKFSYMGDFVVVYTDGCCSSNGRNRARALCCNACKRPYEQSTNEEHTVRRAKHDEEQSTPVVSEAKFSYMGEFAVVYTDGCCSGNGRNRARA YVKHKRGITFKKFEDQLAAENFISGMSAHDY-KLMNISKESFESKYKLSSNTMYNKSMNVYCDGSSFGNGTSSSRA MLKQVEIFTKKFEDQCSSNGRKRARA
	Human Chicken Yeast E.coli Mouse EST	# ** GIGVYWGPGHPLNVGI-RLPGRQTNQRAEIHAACKAIEQAKTQNINKLVLYTDSMFTINGITNWVQGWKKN GIGVYWGPGHPLNISE-RLPGRQTNQRAEIHAACKAIEQAKSQNIKKLIIYTDSKFTINGITSWVENWKTN GYGAYFEGAPEENISEPLLSGAQTNNRAEIEAVSEALKKIWEKLTNEKEKVNYQIKTDSEYVTKLLNDRYMTYDNK AILRYRGREKTFSAGYTRTTNNRMELMAAIVALEALKEHCEVILSTDSQYVRQGITQWIHNWKKR GIGVYWGPGHPLNVRI-RLPGRQTNQRAEIHAACKAVMQAKAQNISKLVLYTDSMFTINGITNWVQGWKKN
	Human Chicken Yeast E.coli Mouse EST	* * * GWKTSAGKEVINKEDFVALERLTQGMDIQWMHVPGHSGFIGNEEADRLAREGA-KQSED GWRTSAGKEVINKEDFQKLDSLSKGIEIQWMHIPGHAGFQGNEEADRLAREGASKQKL KLEGLPNSDLIVPLVQRFVKVKKYYELNKECFKNNGKFQIEWVKGHDGDPGNEMADFLAKKGASRR GWKTADKKPVKNVDLWQRLDAALGQHQIKWEWVKGHAGHPENERCDELARAAAMNPTLEDTGYQVE GWRTSTGKDVINKEDFMELDELTQGMDIQWMHIPGHSGFVGNEE